

1965
1966

ANNUAL INDEX

CRYOGENIC engineering

The Production and Use of Ultra-low Temperatures

In keeping with wishes of most librarians in contact with us, we have stretched our first volume to 14 issues and 18 months to put subsequent volumes on a calendar year basis. We have also provided an issue-by-issue index for the convenience of those who may not have received all issues since publication began in 1965. Back copies, when available, may be secured at a cost of \$1.50 each (with the exception of this Data Book issue—\$5.00). Image reproductions of individual articles in out-of-print issues may be secured at a cost of \$0.25 per page. Address requests for back issues and article image prints to:

Librarian, CEN
Business Communications, Inc.
Suite 207
2800 Euclid Avenue
Cleveland, Ohio 44115

Index by Issue Number (by title, author and starting page)

Vol. 1 No. 1 August-September 1965

Storing LNG Underground	23
First Came Eismaschinen	30
Steel For Cryogenic Environments, <i>Part I: Properties, Selection, Uses</i> ; by Charles M. Parker and John W. W. Sullivan	33
Evaluation Of Large Valves For LH ₂ Service; by R. L. Fischer	42
Cryogenic Engineering Showcase (Linde's Sacramento, Calif., air separation plant)	51
Cryogenic Processing and Transportation of Food Stuff, <i>Part I: Development and Economics of Liquid Nitrogen Freezing Techniques</i> ; by E. F. Kurzinski	57
Cryogen Pump-Vaporizer; by Samuel R. Phillips, James Lightfoot and Donald I. Harrison	60
Oil Hunters Pioneer New Liquid Oxygen Use; by James Joseph	64

Vol. 1 No. 2 October-November 1965

Central Cryogenic System Serves Boeing's 14 Chambers; by J. W. Yerkes and T. N. Hickey	18
Steel For Cryogenic Environments, <i>Part II: The Nickel Steels</i> ; by Charles M. Parker and John W. W. Sullivan	22
Alagasco LNG Installation Shows Cost Reduction	28
Cryogenic Processing and Transportation of Food Stuff, <i>Part II: Immersion, Sprays and Special Techniques</i> ; by E. F. Kurzinski	32
LOX-Based Medical Oxygen Systems	36
Cryogenic Design Properties Of The Hard Carbide Alloys; by Gail P. McCleary	38

Vol. 1 No. 3 December 1965-January 1966

Magnetics and Superconductivity; by Edmund E. Callaghan	16
Steel For Cryogenic Environments, <i>Part III: The Austenitic Steels</i> ; by Charles M. Parker and John W. W. Sullivan	22
First Commercial LNG Plant On Stream (Wisconsin Natural Gas Co.'s Oak Creek, Wis., plant)	26
Cryogenic Processing and Transportation of Food Stuff, <i>Part III: The Future of Liquid Nitrogen Freezing Techniques</i> ; by E. F. Kurzinski	32
Helium Refrigerator Delivers 75 Watts At 3°K and 500 Watts At 80°K	33
Ratio Control of Icing Flow Lines	34

Vol. 1 No. 4 February 1966

A Flight Simulator; by D. R. Stevenson	16
LNG Plant Features Free Refrigeration, Remote Operation, Early Pay Off	22
Cryogenic Flow Measurement, <i>Part I: LH₂</i> ; by Richard Bucknell, Thomas D. Lowler and Robert L. Street	26
Short-Arc Welding For Nine-Nickel Steel	30

Vol. 1 No. 5 March 1966

Aluminums For Cryogenic Environments, <i>Part I</i>	23
Hydrodynamics of Liquid Surfaces, <i>Part I</i> ; by Edward W. Otto	24
Cryogenic Flow Measurement, <i>Part II: LOX Systems</i> ; by Richard Bucknell, Thomas D. Lowler, and Robert L. Street	30

Vol. 1 No. 6 April 1966

Burdett's Parkersburg Air Separation Plant	18
Hydrodynamics Of Liquid Surfaces, <i>Part II: Interface Statics</i> ; by Edward W. Otto	24
Fast Cycle Cryogenic Tests	27

Cryogenic Flow Measurement, <i>Conclusion: Flow Meters</i> ; by Richard Bucknell	28
Aluminums For Cryogenic Environments, <i>Part II</i> : Alloy Groups	34

Vol. 1 No. 7 May 1966

Off-The-Shelf 100,000 Gauss Magnets	16
Integrally-Built Methane Tanker	22
Hydrodynamics Of Liquid Surfaces, <i>Part III</i> ; by Edward W. Otto	28

Vol. 1 No. 8 June 1966

World's Large He Recovery Plant (National Helium Corp.)..	26
Liquid Helium As An Engineering Fluid; by W. E. Keller and E. F. Hammel.....	32
Helium Adsorption/Desorption In Slush Hydrogen; by C. A. Schalla	38
The Ortho-Para Shift Of Hydrogen; by G. E. Schmauch and A. H. Singleton.....	42
Helium At Work—Peach Bottom Atomic Power Station.....	56
Methods And Costs Of Testing At Liquid Helium Temperatures, <i>Part I</i> ; by R. E. Bernert	60
Analyzing Liquid H ₂ With NMR; by C. E. Miller, W. J. Alspach, and T. M. Flynn.....	66
Hydrodynamics Of Liquid Surfaces, <i>Conclusion</i> ; by Edward W. Otto	70

Vol. 1 No. 9 July 1966

A Case For Cast Stainless Alloys	12
Storing Cryogens With Prestressed Concrete; by J. J. Closner	14
World's Largest Superconducting Magnet	18
A Brief Resume—The U.S. Helium Conservation Program; by William M. Deaton	20
Methods And Costs Of Testing At Liquid Helium Temperatures, <i>Part II: Conclusion</i> ; by R. E. Bernert	24

Vol. 1 No. 10 August 1966

Cryogenic Loading Systems For Gemini Spacecraft; by C. L. Baese and V. E. Isakson	18
Linde Expands At Lakeside	24
Helium Market Rolls	32
When To Use Ambient Air To Vaporize Cryogens; by Kenneth Graham	34

Vol. 1 No. 11 September 1966

Unique Helium Dewar Supports LEM Program; by H. Simpkins and R. L. Reed	14
Wholly-Owned Versus Purchased LNG— A Comparison, <i>Part I</i> ; by Peter S. Panos	18
Ceramic Semiconductors Found Superconducting.....	22
Specifying Equipment? This Author Says: "Let The Designer Design It"; by Rex Leonard	24

Vol. 1 No. 12 October 1966

Arnold Mark I Facility First To Use LN ₂ Reliquefier; by Edward H. Johnson	18
--	----

Design Of 9% Nickel Storage Tanks; by R. E. Petsinger and C. C. Hanke, Jr.....	26
Using PR In Plant Design	32
Wholly-Owned Versus Purchased LNG— A Comparison, <i>Part II</i> ; by Peter S. Panos	34
First Commercial LNG Plant Proves "Sound".....	38

Vol. 1 No. 13 November 1966

Nickel: The Supply Situation	11
Cryogenic Irradiation Testing; by E. T. Smith	20
NASA's SESL: World's Largest Space Simulation Lab, <i>Part I</i>	26
The Importance Of Notch Toughness; by R. E. Petsinger and C. C. Hanke, Jr.....	34
Fueling The Saturn V; by William Clarke	36

Vol. 1 No. 14 December 1966

The Cryo-Collimator; <i>New device cools to -292°F in open air, without frosting</i>	18
Big Three's Santa Susana Plant; by Hal C. Hood	24
Shop-Fabricating Giant Cryogenic Vessels.....	28
NASA's SESL: World's Largest Space Simulation Lab, <i>Part II</i>	30

Index By Subject

(by title, issue and starting page)

Dewars and Storage

Storing LNG Underground; Vol. 1 No. 1, Aug.-Sept. 1965..	23
Cryogenic Engineering Showcase; Vol. 1 No. 1, Aug.-Sept. 1965	51
Alagasco LNG Installation Shows Cost Reduction; Vol. 1 No. 2, Oct.-Nov. 1965.....	28
LOX-Based Medical Oxygen Systems; Vol. 1 No. 1, Oct.-Nov. 1965	36
First Commercial LNG Plant On Stream; Vol. 1 No. 3, Dec.-Jan. 1966	26
LNG Plant Features Free Refrigeration, Remote Operation, Early Pay Off; Vol. 1 No. 4, Feb. 1966.....	22
Burdett's Parkersburg Air Separation Plant; Vol. 1 No. 6, April 1966	18
Integrally-Built Methane Tanker; Vol. 1 No. 7, May 1966..	22
World's Largest He Recovery Plant; Vol. 1 No. 8, June 1966	26
Storing Cryogens With Prestressed Concrete; Vol. 1 No. 9, July 1966	14
Cryogenic Loading Systems For Gemini Spacecraft; Vol. 1 No. 10, Aug. 1966.....	18
Linde Expands At Lakeside; Vol. 1 No. 10, Aug. 1966.....	24
Helium Market Rolls; Vol. 1 No. 10, Aug. 1966.....	51
Unique Helium Dewar Supports LEM Program; Vol. 1 No. 11, Sept. 1966.....	14
Design Of 9% Nickel Storage Tanks; Vol. 1 No. 12, Oct. 1966.....	26
Fueling The Saturn V; Vol. 1 No. 13, Nov. 1966.....	36

Big Three's Santa Susana Plant; Vol. 1 No. 14, Dec. 1966....	24
Shop-Fabricating Giant Cryogenic Vessels; Vol. 1 No. 14, Dec. 1966	28
NASA's SESL: World's Largest Space Simulation Lab— <i>Part II</i> ; Vol. 1 No. 14, Dec. 1966.....	30

Equipment and Devices

Storing LNG Underground; Vol. 1 No. 1, Aug.-Sept. 1965..	23
Evaluation Of Large Valves For LH ₂ Service; Vol. 1 No. 1, Aug.-Sept. 1966.....	42
Cryogenic Engineering Showcase; Vol. 1 No. 1, Aug.-Sept. 1966	51
Cryogen Pump-Vaporizer; Vol. 1 No. 1, Aug.-Sept. 1966....	60
Central Cryogenic System Serves Boeing's 14 Chambers; Vol. 1 No. 2, Oct.-Nov. 1965	18
Alagasco LNG Installation Shows Cost Reduction; Vol. 1 No. 2, Oct.-Nov. 1965	28
Cryogenic Processing and Transportation Of Food Stuffs— <i>Part II: Immersion, Sprays and Special Techniques</i> ; Vol. 1 No. 2	32
LOX-Based Medical Oxygen Systems; Vol. 1 No. 2, Oct.-Nov. 1965	36
First Commercial LNG Plant On Stream; Vol. 1 No. 3, Dec. 1965-Jan. 1966.....	26
Helium Refrigerator Delivers 75 Watts At 3°K and 500 Watts At 80°K; Vol. 1 No. 3, Dec. 1965-Jan. 1966.....	33
A Flight Simulator; Vol. 1 No. 4, Feb. 1966.....	16
Plant Features Free Refrigeration, Remote Operation, Early Pay Off; Vol. 1 No. 4, Feb. 1966.....	22
Burdett's Parkersburg Air Separation Plant; Vol. 1 No. 6, April 1966	18
Off-The-Shelf 100,000 Gauss Magnets; Vol. 1 No. 7, May 1966	16
World's Largest He Recovery Plant; Vol. 1 No. 8, June 1966	20
Helium At Work—Peach Bottom Atomic Power Station; Vol. 1 No. 8, June 1966	56
A Case For Cast Stainless Alloys; Vol. 1 No. 9, July 1966....	12
World's Largest Superconducting Magnet; Vol. 1 No. 9, July 1966.....	18
Cryogenic Loading Systems For Gemini Spacecraft; Vol. 1 No. 10, Aug. 1966.....	18
Linde Expands At Lakeside; Vol. 1 No. 10, Aug. 1966.....	24
Helium Market Rolls; Vol. 1 No. 10, Aug. 1966.....	32
When To Use Ambient Air To Vaporize Cryogenics; Vol. 1 No. 10, Aug. 1966.....	34
Unique Helium Dewar Supports LEM Program; Vol. 1 No. 11, Sept. 1966.....	14
Arnold Mark I Facility First to Use LN ₂ Reliquefier; Vol. 1 No. 12, Oct. 1966	18
Cryogenic Irradiation Testing; Vol. 1 No. 13, Nov. 1966....	20
NASA's SESL: World's Largest Space Simulation Lab— <i>Part I</i> ; Vol. 1 No. 13, Nov. 1966.....	26
The Cryo-Collimator; Vol. 1 No. 14, Dec. 1966.....	18
Big Three's Santa Susana Plant; Vol. 1 No. 14, Dec. 1966..	24

Fluid Flow, Properties and Structure

Ratio Control Of Icing Flow Lines; Vol. 1 No. 3, Dec. 1965-Jan. 1966	34
Cryogenic Flow Measurement— <i>Part I: LH₂</i> ; Vol. 1 No. 4, Feb. 1966	26

Hydrodynamics Of Liquid Surfaces— <i>Part I</i> ; Vol. 1 No. 5, March 1966	24
Cryogenic Flow Measurement— <i>Part II: LOX Systems</i> ; Vol. 1 No. 5, March 1966	30
Hydrodynamics Of Liquid Surfaces— <i>Part II: Interface Statics</i> ; Vol. 1 No. 6, April 1966.....	24
Cryogenic Flow Measurement— <i>Conclusion: Flow Meters</i> ; Vol. 1 No. 6, April 1966	28
Hydrodynamics Of Liquid Surfaces— <i>Part III</i> ; Vol. 1 No. 7, May 1966	28
Liquid Helium As An Engineering Fluid; Vol. 1 No. 8, June 1966	32
Helium Adsorption/Desorption In Slush Hydrogen; Vol. 1 No. 8, June 1966.....	38
The Ortho-Para Shift Of Hydrogen; Vol. 1 No. 8, June 1966	42
Analyzing Liquid H ₂ With NMR; Vol. 1, No. 8, June 1966	66
Hydrodynamics Of Liquid Surfaces— <i>Conclusion</i> ; Vol. 1 No. 8, June 1966.....	70

Gas Separation and Liquefaction

Storing LNG Underground; Vol. 1 No. 1, Aug.-Sept. 1965..	23
Cryogenic Engineering Showcase; Vol. 1 No. 1, Aug.-Sept. 1965	51
Alagasco LNG Installation Shows Cost Reduction; Vol. 1 No. 2, Oct.-Nov. 1965	28
First Commercial LNG Plant On Stream; Vol. 1 No. 3, Dec. 1965-Jan. 1966.....	26
LNG Plant Features Free Refrigeration, Remote Operation, Early Pay Off; Vol. 1 No. 4, Feb. 1966.....	22
Burdett's Parkersburg Air Separation Plant; Vol. 1 No. 6, April 1966	18
World's Largest He Recovery Plant; Vol. 1 No. 8, June 1966.....	26
Linde Expands At Lakeside; Vol. 1 No. 10, Aug. 1966.....	24
Wholly-Owned Versus Purchased LNG— <i>A Comparison— Part I</i> ; Vol. 1 No. 11, Sept. 1966.....	18
Arnold Mark I Facility First To Use LN ₂ Reliquefier; Vol. 1 No. 12, Oct. 1966	18
Wholly-Owned Versus Purchased LNG— <i>A Comparison— Part II</i> ; Vol. 1 No. 12, Oct. 1966.....	34
Big Three's Santa Susana Plant; Vol. 1, No. 14, Dec. 1966..	24

Magnetic Properties and Materials

Magnetics and Superconductivity; Vol. 1 No. 3, Dec. 1965-Jan. 1966	16
Off-The-Shelf 100,000 Gauss Magnets; Vol. 1 No. 7, May 1966	16
World's Largest Superconducting Magnet; Vol. 1 No. 9, July 1966	18

Metallurgy and Mechanical Properties

Steel For Cryogenic Environments— <i>Part I: Properties, Selection, Uses</i> ; Vol. 1 No. 1, Aug.-Sept. 1965.....	33
Steel For Cryogenic Environments— <i>Part II: The Nickel Steels</i> ; Vol. 1 No. 2, Oct.-Nov. 1965.....	22
Cryogenic Design Properties Of The Hard Carbide Alloys; Vol. 1 No. 2, Oct.-Nov. 1965.....	38
Steel For Cryogenic Environments— <i>Part III: The Austenitic Steels</i> ; Vol. 1 No. 3, Dec. 1965-Jan. 1966....	22
Short-Arc Welding For Nine-Nickel Steel; Vol. 1 No. 4, Feb. 1966	30

Aluminums For Cryogenic Environments— <i>Part I</i> ; Vol. 1 No. 5, March 1966	18
Aluminums For Cryogenic Environments— <i>Part II</i> : <i>Alloy Groups</i> ; Vol. 1 No. 6, April 1966	34
Design Of 9% Nickel Storage Tanks; Vol. 1 No. 12, Oct. 1966	26
The Importance Of Notch Toughness; Vol. 1 No. 13, Nov. 1966	34

Metrology and Instrumentation

Evaluation Of Large Valves For LH ₂ Service; Vol. 1 No. 1, Aug.-Sept. 1965	42
Cryogenic Flow Measurement— <i>Part I: LH₂</i> ; Vol. 1 No. 4, Feb. 1966	26
Cryogenic Flow Measurement— <i>Part II: LOX Systems</i> ; Vol. 1 No. 5, March 1966	30
Fast Cycle Cryogenic Tests; Vol. 1 No. 6, April 1966	27
Cryogenic Flow Measurement— <i>Conclusion: Flow Meters</i> ; Vol. 1 No. 6, April 1966	28
Analyzing Liquid H ₂ With NMR; Vol. 1 No. 8, June 1966	66

Refrigeration

Cryogenic Processing And Transportation Of Food Stuff— <i>Part I: Development and Economics of Liquid Nitrogen Freezing Techniques</i> ; Vol. 1 No. 1, Aug.-Sept. 1965	57
Central Cryogenic System Serves Boeing's 14 Chambers; Vol. 1 No. 2, Oct.-Nov. 1965	18
Cryogenic Processing And Transportation Of Food Stuff— <i>Part II: Immersion, Sprays and Special Techniques</i> ; Vol. 1 No. 2, Oct.-Nov. 1965	32
Cryogenic Processing And Transportation Of Food Stuff— <i>Part III: The Future of Liquid Nitrogen Freezing Techniques</i> ; Vol. 1 No. 3, Dec. 1965-Jan. 1966	32
Helium Refrigerator Delivers 75 Watts At 3°K and 500 Watts At 80°K; Vol. 1 No. 3, Dec. 1965-Jan. 1966	33
A Flight Simulator; Vol. 1 No. 4, Feb. 1966	16

Superconductors

Magnetics And Superconductivity; Vol. 1 No. 3, Dec. 1965-Jan. 1966	16
Off-The-Shelf 100,000 Gauss Magnets; Vol. 1 No. 7, May 1966	16
World's Largest Superconducting Magnet; Vol. 1 No. 9, July 1966	18
Ceramic Semiconductors Found Superconducting; Vol. 1 No. 11, Sept. 1966	22

Thermal Properties Of Solids

Steel For Cryogenic Environments— <i>Part I: Properties, Selection, Uses</i> ; Vol. 1 No. 1, Aug.-Sept. 1965	33
Steel For Cryogenic Environments— <i>Part II: The Nickel Steels</i> ; Vol. 1 No. 2, Oct.-Nov. 1965	22
Cryogenic Design Properties Of The Hard Carbide Alloys; Vol. 1 No. 2, Oct.-Nov. 1965	38
Steel For Cryogenic Environments— <i>Part III: The Austenitic Steels</i> ; Vol. 1 No. 3, Dec. 1965-Jan. 1966	22
Aluminums For Cryogenic Environments— <i>Part I</i> ; Vol. 1 No. 5, March 1966	18
Aluminums For Cryogenic Environments— <i>Part II</i> : <i>Alloy Groups</i> ; Vol. 1 No. 6, April 1966	34

A Case For Cast Stainless Alloys; Vol. 1 No. 9, July 1966	12
Storing Cryogens With Prestressed Concrete; Vol. 1 No. 9, July 1966	14
Cryogenic Irradiation Testing; Vol. 1 No. 13, Nov. 1966	20

Thermodynamics and Research Physics

Magnetics And Superconductivity; Vol. 1 No. 3, Dec. 1965-Jan. 1966	16
Hydrodynamics Of Liquid Surfaces— <i>Part I</i> ; Vol. 1 No. 5, March 1966	24
Hydrodynamics Of Liquid Surfaces— <i>Part II: Interface Statics</i> ; Vol. 1 No. 6, April 1966	24
Hydrodynamics Of Liquid Surfaces— <i>Part III</i> ; Vol. 1 No. 7, May 1966	28
Liquid Helium As An Engineering Fluid; Vol. 1 No. 8, June 1966	32
Helium Adsorption/Desorption In Slush Hydrogen; Vol. 1 No. 8, June 1966	38
The Ortho-Para Shift Of Hydrogen; Vol. 1 No. 8, June 1966	42
Analyzing Liquid H ₂ With NMR; Vol. 1 No. 8, June 1966	66
The Cryo-Collimator; Vol. 1 No. 14, Dec. 1966	18

Other

First Came Eismaschinen; Vol. 1 No. 1, Aug.-Sept. 1965	30
Oil Hunters Pioneer New Liquid Oxygen Use; Vol. 1 No. 1, Aug.-Sept. 1965	64
Methods And Costs Of Testing At Liquid Helium Temperatures— <i>Part I</i> ; Vol. 1 No. 8, June 1966	60
A Brief Resume—The U.S. Helium Conservation Program; Vol. 1 No. 9, July 1966	20
Methods And Costs Of Testing At Liquid Helium Temperatures— <i>Part II: Conclusion</i> ; Vol. 1 No. 9, July 1966	24
Specifying Equipment? This Author Says: "Let The Designer Design It . . ."; Vol. 1 No. 11, Sept. 1966	24
Using PR In Plant Design; Vol. 1 No. 12, Oct. 1966	32
First Commercial LNG Plant Proves "Sound"; Vol. 1 No. 12, Oct. 1966	38
Nickel: The Supply Situation; Vol. 1 No. 13, Nov. 1966	11

Author Index

Alspach, W. J. Analyzing Liquid H ₂ With NMR; Vol. 1 No. 8, June 1966	66
Baese, C. L. Cryogenic Loading Systems For Gemini Spacecraft; Vol. 1 No. 10, Aug. 1966	33
Bernert, R. E. Methods And Costs Of Testing At Liquid Helium Temperatures— <i>Part I</i> ; Vol. 1 No. 8, June 1966	60
Methods And Costs Of Testing At Liquid Helium Temperatures— <i>Part II</i> ; Vol. 1 No. 9, July 1966	24
Bucknell, Richard Cryogenic Flow Measurement— <i>Part I: LH₂</i> ; Vol. 1, No. 4, February 1966	26
Cryogenic Flow Measurement— <i>Part II: LOX Systems</i> ; Vol. 1 No. 5, March 1966	30
Cryogenic Flow Measurement— <i>Part III: Flow Meters</i> ; Vol. 1 No. 6, April 1966	28
Callaghan, Edmund E. Magnetics And Superconductivity; Vol. 1 No. 3, Dec. 1965-Jan. 1966	16

Clarke, William	
Fueling The Saturn V;	
Vol. 1 No. 13, Nov. 1966	36
Closner, J. J.	
Storing Cryogens With Prestressed Concrete;	
Vol. 1 No. 9, July 1966	14
Deaton, William	
A Brief Resume—The U.S. Helium Conservation	
Program; Vol. 1 No. 9, July 1966	20
Fischer, R. L.	
Evaluation Of Large Valves For LH ₂ Service;	
Vol. 1 No. 1, Aug.-Sept. 1965	42
Flynn, T. M.	
Analyzing Liquid H ₂ With NMR;	
Vol. 1 No. 8, June 1966	66
Graham, Kenneth	
When To Use Ambient Air To Vaporize Cryogens;	
Vol. 1 No. 10, Aug. 1966	34
Hammel, E. F.	
Liquid Helium As An Engineering Fluid;	
Vol. 1 No. 8, June 1966	32
Hanke, Jr., C. C.	
Design Of 9% Nickel Storage Tanks;	
Vol. 1 No. 12, Oct. 1966	26
The Importance Of Notch Toughness;	
Vol. 1 No. 13, Nov. 1966	34
Harrison, Donald I.	
Cryogen Pump-Vaporizer;	
Vol. 1 No. 1, Aug.-Sept. 1965	60
Hickey, T. N.	
Central Cryogenic System Serves Boeing's 14	
Chambers; Vol. 1 No. 2, Oct.-Nov. 1965	18
Hood, Hal C.	
Big Three's Santa Susana Plant;	
Vol. 1 No. 14, Dec. 1966	24
Isakson, V. E.	
Cryogenic Loading Systems For Gemini Spacecraft;	
Vol. 1 No. 10, Aug. 1966	18
Johnson, Jr., Edward H.	
Arnold Mark I Facility First To Use LN ₂	
Reliquefier; Vol. 1 No. 12, Oct. 1966	18
Joseph, James	
Oil Hunters Pioneer New Liquid Oxygen Use;	
Vol. 1 No. 1, Aug.-Sept. 1965	64
Keller, W. E.	
Liquid Helium As An Engineering Fluid;	
Vol. 1 No. 8, June 1966	32
Kurzinski, E. F.	
Cryogenic Processing And Transportation Of Food	
Stuffs—Part I: Development and Economics of	
Liquid Nitrogen Freezing Techniques;	
Vol. 1 No. 1, Aug.-Sept. 1965	57
Cryogenic Processing And Transportation Of Food	
Stuffs—Part II: Immersion, Sprays and Special	
Techniques; Vol. 1 No. 2, Oct.-Nov. 1965	32
Cryogenic Processing And Transportation Of Food	
Stuffs—Part III: The Future of Liquid Nitrogen	
Freezing Techniques;	
Vol. 1 No. 3, Dec. 1965-Jan. 1966	32
Leonard, Rex	
Specifying Equipment? This Author Says: "Let The	
Designer Design It . . ."; Vol. 1 No. 11, Sept. 1966	24
Lightfoot, James	
Cryogen Pump-Vaporizer;	
Vol. 1 No. 1, Aug.-Sept. 1965	60
Lowler, Thomas D.	
Cryogenic Flow Measurement—Part I: LH ₂ ;	
Vol. 1 No. 4, Feb. 1966	26
Cryogenic Flow Measurement—Part II:	
LOX Systems; Vol. 1 No. 5, March 1966	30
McCleary, Gail P.	
Cryogenic Design Properties Of The Hard Carbide	
Alloys; Vol. 1 No. 2, Oct.-Nov. 1965	38
Miller, C. E.	
Analyzing Liquid H ₂ With NMR;	
Vol. 1 No. 8, June 1966	66
Otto, Edward W.	
Hydrodynamics Of Liquid Surfaces—Part I;	
Vol. 1 No. 5, March 1966	24
Hydrodynamics Of Liquid Surfaces—Part II:	
Interface Statics; Vol. 1 No. 6, April 1966	24
Hydrodynamics Of Liquid Surfaces—Part III;	
Vol. 1 No. 7, May 1966	28
Hydrodynamics Of Liquid Surfaces—Conclusion;	
Vol. 1 No. 8, June 1966	70
Panos, Peter S.	
Wholly-Owned Versus Purchased LNG—	
A Comparison, Part I;	
Vol. 1 No. 11, Sept. 1966	18
Wholly-Owned Versus Purchased LNG—	
A Comparison, Part II;	
Vol. 1 No. 12, Oct. 1966	34
Parker, Charles M.	
Steel For Cryogenic Environments—Part I: Properties,	
Selection, Uses; Vol. 1 No. 1, Aug.-Sept. 1965	33
Steel For Cryogenic Environments—Part II: The	
Nickel Steels; Vol. 1 No. 2, Oct.-Nov. 1965	22
Steel for Cryogenic Environments—Part III: The	
Austenitic Steels; Vol. 1 No. 3, Dec. 1965-Jan. 1966	22
Petsinger, R. E.	
Design Of 9% Nickel Storage Tanks;	
Vol. 1 No. 12, Oct. 1966	26
The Importance Of Notch Toughness;	
Vol. 1 No. 23, Nov. 1966	34
Phillips, Samuel R.	
Cryogen Pump-Vaporizer;	
Vol. 1 No. 1, Aug.-Sept. 1965	60
Reed, R. L.	
Unique Helium Dewar Supports LEM Program;	
Vol. 1 No. 11, Sept. 1966	14
Schalla, C. A.	
Helium Adsorption/Desorption In Slush Hydrogen;	
Vol. 1 No. 8, June 1966	38
Schmauch, G. E.	
The Ortho-Para Shift Of Hydrogen;	
Vol. 1 No. 8, June 1966	42
Simpkins, H.	
Unique Helium Dewar Supports LEM Program;	
Vol. 1 No. 11, Sept. 1966	14
Singleton, A. H.	
The Ortho-Para Shift Of Hydrogen;	
Vol. 1 No. 8, June 1966	42
Smith, E. T.	
Cryogenic Irradiation Testing;	
Vol. 1 No. 13, Nov. 1966	20
Stevenson, D. R.	
A Flight Simulator;	
Vol. 1 No. 4, Feb. 1966	16
Street, Robert L.	
Cryogenic Flow Measurement—Part I: LH ₂ ;	
Vol. 1 No. 4, Feb. 1966	26
Cryogenic Flow Measurement—Part II:	
LOX Systems; Vol. 1 No. 5, March 1966	30
Sullivan, John W. W.	
Steel For Cryogenic Environments—Part I: Properties,	
Selection, Uses; Vol. 1 No. 1, Aug.-Sept. 1965	33
Steel for Cryogenic Environments—Part II: The	
Nickel Steels; Vol. 1 No. 2, Oct.-Nov. 1965	22
Steel For Cryogenic Environments—Part III: The	
Austenitic Steels; Vol. 1 No. 3, Dec. 1965-Jan. 1966	22
Yerkes, J. W.	
Central Cryogenic System Serves Boeing's 14	
Chambers; Vol. 1 No. 2, Oct.-Nov. 1965	18